

DEPAOLI & O'BRIEN, P. C.

1911 JEFFERSON DAVIS HIGHWAY

SUITE 1005 • CRYSTAL MALL I

ARLINGTON, VIRGINIA 22202-3575

GEORGE A. DEPAOLI  
WILLIAM E. O'BRIEN

MARION P. LELONG  
DOMINIC J. GIANCOLA

PATENT, TRADEMARK  
AND COPYRIGHT CAUSES

703-521-2110

November 29, 1983

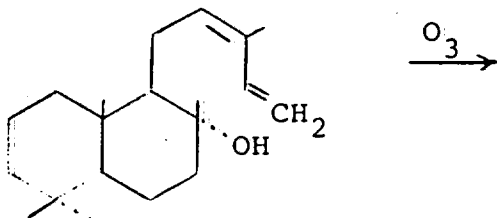
Dr. G. Esler Inskeep  
Philip Morris Research Center  
Post Office Box 26583  
Richmond, Virginia 23261

Re: Tobacco Flavorants Produced By  
Ozonolysis of Abienol of Edwards  
and Southwick  
Your Reference: PM 1172  
Our Reference: PM-83-7

Dear Les:

Further to your letter of November 11th, we have the following comments as a preliminary to the prospective preparation of a patent application.

The PM 1172 process involves ozonolysis of abienol:



The crude ozonolysis intermediate is subjected subsequently to various conditions of pH and other forms of treatment. The resultant products have been found to have desirable tobacco flavorant properties.

Tetrahedron Letters, No. 23, 2723(1968) describes ozonolysis of abienol, followed by oxidative hydrolysis to give an alkoxyhydroperoxide product, which does not correspond to any PM 1172 product.

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Dr. G. Esler Inskeep

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November 29, 1983

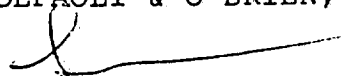
Japanese disclosures #57-181025 and #57-181077 convert abienol with microbe JTS-162. These references are not pertinent with respect to the PM 1172 subject matter, nor are any of the other prior art which are listed in your letter of November 1st in connection with PM 1129 (PM-83-6).

In summary, we believe the products described in PM 1172 to be a novel class of tobacco flavorants. However, we consider it essential that the chemical structures of the various novel ozonolysis derived products are determined. We prefer not going the "product-by-process" route if at all possible.

We shall await your further correspondence.

Very truly yours,

DEPAOLI & O'BRIEN, P.C.



George A. Depaoli

GAD/DJG/rf

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T. S. OSDENE

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